

FIVE RIVERS GOVERNMENT SECONDARY SCHOOL
END OF TERM EXAMINATION
Forms 1-2 - April – July, 2008

NAME: **FORM:**

TIME: 1 HOUR

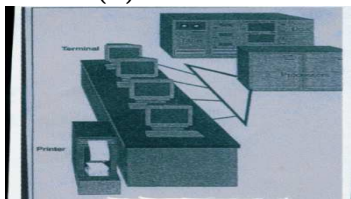
Students are required to attempt all questions. All questions are to be answered on the question paper.

1. All computer systems have “system units”? Draw a line to label the “System Unit” on the types of computers identified below:

(i)



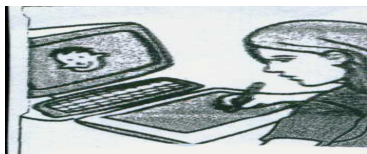
(ii)



(iii)



(iv)



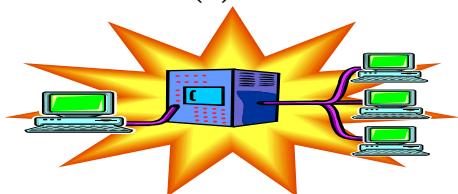
2. Draw a line from the picture to match them to the type of computer(s) found the workplace.

(i)



Electronic Organizers

(ii)



Palmtop Computers

(iii)



Personal Computers

(iv)



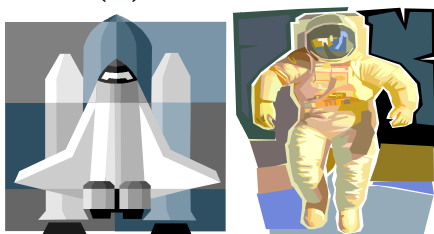
Minicomputer

(v)



Mainframe

(vi)



Supercomputer

READING COMPREHENSION

Read the following paragraphs, use the numbers on each paragraph find the answer to the questions.

- 1.0 Information Technology deals with the use of electronic computers and their software to change, store, protect, process, send and find information.
- 2.0 In our study of information technology, so far, we discussed the different parts of the electronic computer and the types of computers that are available today. When users use the computer, it goes through this **stage of processing**:
Input → *processing* → *Output* → *storage/memory* to fulfill their needs. The different types of computers available were examined starting from their list of components, their uses and the number of users who make use of them.
- 3.0 In our study of the types of computers, we looked at the *Personal Computer*, a single user computer widely used in homes, schools, libraries and businesses to entertain, educate and conduct transactions. The *minicomputer and mainframe* used by multiple persons at one time. The minicomputer is also used controls the use of ATMs, while the mainframe needs to be housed in special air-conditioned rooms. The *supercomputer*, the fastest, expensive and most powerful type of computer is used in space exploration and by scientist and medical researchers to explore space and perform number crunching and scientific experiments respectively. *Portable computers* are used in internet cafés, taxis and restaurants. Some portable computers are mainly used by the general public to hold their appointments, address and telephone number of family members and friends and their “to do” lists.
- 4.0 Electronic computers and their respective software have evolved through five (5) generations; with different components being used to build these computers. The **first** generation used vacuum tubes/valves, the **second** – transistors, the **third** – integrated circuits(IC), the **fourth** – integrated circuits with added components added to the IC via LSI AND VLSI. The **fifth** generation uses the concept of parallel processing which encompasses hundreds of processors working on different parts of a single program.
- 5.0 The software used by these computers is of two (2) types - *application and system software*. *Application software* helps users perform certain types of work, such as typing a letter or memo, while the *system* software manages the operations of the computer resources. One type system software used the Operating System (OS) is loaded into the computers main memory by a boot program. This software manages all other programs and allows users to interact directly with the computers hardware and software through users interfaces. The different types of user interfaces include command language, menu-driven or GUI – graphical user interface.

Write complete sentences when answering the questions listed below.

1. Electronic computers need two types of software to function? Name them? (paragraph 5.0)

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2. Computers have evolved through five generations with different components used to build computers in each generation. List the different components used in each generation in the correct order? (paragraph 4.0)

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3. Which software is used to manage all other programs installed on the computer? (paragraph 5.0)

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4. The user interface GUI stands for what? (paragraph 5.0)

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5. List one hardware used in each stage of processing mentioned in paragraph 2.0?

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6. Which type of computer can be used in schools, libraries, business, homes and internet cafés? (paragraph 3.0)

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7. Which type of computer is used to control the use of ATM? (paragraph 3.0)

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8. Which type of computer is used by multiple users and to process insurance claims? (paragraph 3.0)
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-
9. Name three (3) portable computers?
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-
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10. Name two (2) application software that users use to entertain themselves?
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Use the words in the Word List to complete the following sentences. Words can be used more than once.

WORD LIST:		
Personal	Mainframe	Microcomputers
Supercomputer	Minicomputer	Laptops
Electronic Organizers	Palmtop	Notebook
Arithmetic Logic Unit	Information	First
Third	Central Processing Unit	
Software	Fifth	Fourth

Use the words in the Word List to complete the following sentences:

1. The _____ fits in the palm of your hand.
2. _____ are very large powerful computers.
3. This computer is used by a single user at one time _____.
4. _____ are portable computers.
5. The _____ is a type of laptop computer which weighs 2-4 kg.
6. _____ are used to store appointments, address and phone numbers.
7. The _____ computer is easy to use and is also known as a _____.

8. The _____ is the largest
fasters and most powerful computers.
9. Data is turned into _____ when
processed.
10. The _____ needs a
special team to manage its operations.
11. The _____ is in
petroleum industry to gauges temperature.
12. The _____ generation computer was built
using vacuum tubes/valves and the _____ integrated
circuits.
13. The ALU and CU are parts of the _____
_____.
14. A set of instructions used to perform a task is known as
_____.
15. A picture, symbol, number or letter that makes no sense is
known as _____.
16. The _____ is a portable computer
that gets it power from electrical outlets or rechargeable
batteries.
17. The _____ computer is more powerful than
electronic organizers.
18. These two portable computers, the _____
and _____
_____ use a special pen to write on their palm size screen.
19. The _____ is used
in space exploration, scientific research and business research.
20. In this generation, computers can mimic human abilities,
it is the _____, while the generation where more
components were added on the Integrated circuit through LSI
and ULSI was in this generation _____